

Serial No.: 10/064,293
Attorney Docket No.: F-533

Patent

Amendment To The Claims

Please amend the claims as follows:

1. (currently amended) A method for selecting an external processor as a user interface to a machine comprising:
 - accessing control grid position information for the machine;
 - obtaining position information for the external processor using a positioning system having an effective positioning area; and
 - using the control grid position information and the external processor position information in determining whether an external processor is in the control grid of a machine, and only if the external processor is located in the control grid of the machine, transferring user interface control of the machine to the external processor,
 - wherein the machine is located in a space that includes a floor that can be referenced in dimensional coordinates and the control grid corresponds to a defined area of the floor in proximity to the machine that is a subset of the space and the effective positioning area of the positioning system and wherein the space includes a second machine having an associated second defined control grid in proximity to the second machine that does not overlap with the first defined control grid.
2. (currently amended) The method of claim 1 wherein:
 - the determination of whether an external processor is in the control grid is used to make a control transfer decision, wherein the user interface control of the machine is transferred to the external processor, to the exclusion of the internal user interface of the machine.
3. (previously amended) The method of claim 1 further comprising:
 - obtaining cryptographic authentication information for an external processor.
4. (original) The method of claim 3 wherein:
 - the determination of whether an external processor is in the control grid and the authentication information is used to make a control transfer decision.

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5. (original) The method of claim 4 wherein:
the authentication information is obtained from a user of the external processor.
6. (original) The method of claim 4 wherein:
the authentication information is obtained from a user of the external processor
and includes biometric information.
7. (currently amended) The method of claim 1 further comprising:
accessing control grid position information for a the second machine;
obtaining position information for a second external processor; and
using the control grid position information and the external processor position
information in determining whether to give priority of control to the external processor or
the second external processor based upon the position of each of the external
processor and the second external processor.
8. (original) The method of claim 7 further comprising:
obtaining hierarchal priority information for the external processor and the second
external processor; and
using the hierarchal priority information in determining whether to give priority of
control to the external processor or the second external processor.
9. (currently amended) The method of claim 1 further comprising:
downloading user interface logic data to the external processor in response to
the obtained position information of the external processor.
10. (original) The method of claim 1 further comprising:
obtaining updated position information for the external processor; and
using the updated position information in determining whether to maintain
external processor control of the machine.

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11. (currently amended) A method for manipulating a file comprising:
selecting a file with a portable processor using a wireless communications channel; and
selecting a machine to process the file using position information relating to the portable processor using a positioning system having an effective positioning area,
control grid position information and the external processor position information in determining whether an external processor is in the control grid of a machine,
wherein the machine is located in a space that includes a floor that can be referenced in dimensional coordinates and the control grid corresponds to a defined area of the floor in proximity to the machine that is a subset of the space and the effective positioning area of the positioning system and wherein the space includes a second machine having an associated second defined control grid in proximity to the second machine that does not overlap with the first defined control grid.
12. (original) The method of claim 11, further comprising:
downloading the file to the portable processor.
13. (original) The method of claim 11 further comprising:
selecting a second machine to process at least a portion of the file using position information relating to the portable processor.
14. (original) The method of claim 11 further comprising:
selecting a first machine to process a portion of the file using position information relating to the portable processor; and
selecting a second machine to process a second portion of the file using position information relating to the portable processor.
15. (currently amended) A system for selecting an external processor as a user interface to a machine comprising:
means for determining control grid position information for the machine;

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means for obtaining position information for the external processor using a positioning system having an effective positioning area; and

processing means for using the control grid position information and the external processor position information in determining whether an external processor is in the control grid of a machine,

and processing means for transferring user interface control of the machine to the external processor if the external processor is located in the control grid of the machine.

wherein the machine is located in a space that includes a floor that can be referenced in dimensional coordinates and the control grid corresponds to a defined area of the floor in proximity to the machine that is a subset of the space and the effective positioning area of the positioning system and wherein the space includes a second machine having an associated second defined control grid in proximity to the second machine that does not overlap with the first defined control grid.

16. (currently amended) A system for selecting an external processor as a user interface to a machine comprising:

- a processor;
- a control grid position map data base information for at least one machine connected to the processor;
- a position information receiver having an effective positioning area for obtaining position information data for an external processor; and
- a processor having processing instructions for using the control grid position map database and the external processor position information in determining whether an external processor is in the control grid of a machine, wherein the machine is located in a space that includes a floor that can be referenced in dimensional coordinates and the control grid corresponds to a defined area of the floor in proximity to the machine that is a subset of the space and the effective positioning area of the positioning system and wherein the space includes a second machine having an associated second defined control grid in proximity to the second machine that does not overlap with the first defined control grid.

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17. (previously amended) The system of claim 16 wherein:
the receiver for obtaining position information is an indoor positioning system receiver.
18. (previously amended) The system of claim 17 wherein:
the indoor positioning system provides relative position data relative to a reference point.
19. (previously amended) The system of claim 17 wherein:
the indoor positioning system provides absolute latitude and longitude data.
20. (previously presented) The method of claim 9 further comprising:
obtaining a second grid information for a group of machines including the machine; and
downloading user interface logic data to the external processor when the external processor enters the second grid.
21. (previously presented) The system of claim 15 wherein the means for obtaining position information comprises an indoor electromagnetic wave positioning system.
22. (previously presented) The system of claim 15 wherein the means for obtaining position information comprises an ultrasonic positioning system.